Program Executive Office (PEO)
Standard Army Management
Information Systems (STAMIS)

INTERFACE AGREEMENT

Transportation Coordinators' Automated Information for Movement System II (TC-AIMS II)

and

Asset Tracking for Logistics Automated Support System I (ATLASS I)

Prepared by:
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Approved by:	Signature	Date
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INTERFACE AGREEMENT
BETWEEN TC-AIMS II and ATLASS I

TABLE OF CONTENTS

INTERFACE AGREEMENT
BETWEEN TC-AIMS II and ATLASS I

1. General

1.1 Purpose.

The purpose of this Interface Agreement (IA) is to define the functional and physical interface established between the US Marine Corps Asset Tracking for Logistics Automated Support System I (ATLASS I) and the Transportation Coordinators' Automated Information for Movement System II (TC-AIMS II).

1.2 Scope.

This IA applies to all functional proponents, assigned responsible agencies, software developers, operators, users, and all others involved with the transfer of data between ATLASS I and TC-AIMS II. It encompasses requirements pertaining to data, physical and logical interfaces, communications, service levels, and security.

1.3 Functional Requirement.

This IA provides for a two-way data exchange from ATLASS I to TC-AIMS II of deployment data to process and ship unit move at ATLASS I and TC-AIMS II locations.

1.4 Interface Overview.

Data records to be exchanged will be prepared in a DOS formatted American Standard Code for Information Interchange (ASCII) text file for 3.5 HD diskette exchange.

1.5 Responsibilities

1.5.1 TC-AIMS II Project Manager.

The TC-AIMS II JPMO will incorporate into TC-AIMS II the functionality in the Program Executive Office (PEO) Standard Army Management Information Systems (STAMIS) Operational Requirements Document (ORD) to include the capability to export ATLASS I data files described in Appendix A and import and process the data files described in Appendix B.

1.5.2 ATLASS I Project Manager.

The ATLASS I PMO will maintain the capability to import and process the data files described in Appendix A and export the TC-AIMS II data files described in Appendix B.

1.6 Procedural and System Changes

1.6.1 General.

During the life cycles of ATLASS I and TC-AIMS II, the PMO of either system may discover new or changed operational requirements that will affect this interface. All affected parties will be notified in writing 120 days prior to implementing the proposed/required change(s). Notification will clearly describe the intended change(s) and will identify transaction changes that will affect the interface between ATLASS I and TC-AIMS II. Modifications to TC-AIMS II will be submitted in accordance with established Configuration Management (CM) procedures and approved by the JPMO or the Joint Configuration Control Board (CCB). The party making the change will initiate the required notification.

1.6.2 Regulatory Changes.

If a procedural change is the result of a Service or Agency regulatory change, both parties to the IA will mutually agree on the implementation actions and an effective date.

1.6.3 Functional or Technical Changes.

Changes that result in functional, technical or procedural changes, or changes to standard data tables and elements affecting only one system will be initiated by the responsible PMO. That System's PMO will propose a mutually acceptable implementation date for the change(s).

1.6.4 Year 2000 (Y2K) Compliance.

The April 1997 Department of Defense (DoD) Year 2000 Management Plan directs system developers and maintainers, along with the system's functional proponent, to certify and document each systems Year 2000 (Y2K) compliance. The TC-AIMS II software suite will be certified Y2K compliant. The interface exchange date data requires Y2K compliance or implementation of consistent Y2K corrections to enable correct date data passage between ATLASS I and TC-AIMS II.

1.6.5 Modifications.

Upon agreement, all modifications to this interface will be documented herein and recorded on the change sheet. Revised page(s) will be produced and the IA signed and dated by all concerned parties.

1.7 Life-Cycle Maintenance.

This agreement will be reviewed and augmented as required.

2. TC-AIMS II Attributes

2.1 System Attributes.

The TC-AIMS II is a top-down directed program aimed at addressing a critical shortfall in the movement of material and personnel in support of DoD transportation operations as defined in the TC-AIMS II Mission Need Statement (MNS). TC-AIMS II falls within the DoD mission area supporting Mobility/Transportation of the DoD Personnel and Cargo. TC-AIMS II will provide unit mobility and Installation Transportation Office/Transportation Movement Office (ITO/TMO) support throughout DoD with a single, effective, and efficient Automated Information System (AIS) which provides transportation management of unit movement, passengers, and cargo during day-to-day operations within the Defense Transportation System (DTS).

The TC-AIMS II system is the result of a joint effort of the US Armed Forces and the Joint Project Management Office (JPMO) headed by the US Army as the Executive Agent. TC-AIMS II provides automated support to functions performed by Unit Movement Officers (UMOs) and Installation Transportation Offices (ITOs/TMOs), who previously used a variety of Service sponsored automated systems and manual processes. TC-AIMS II goal is to improve and expedite unit movements and Transportation Operating Agency (TOA) actions, providing timely and accurate information for use at all Joint Deployment Communities (JDCs) command levels in support of CONUS (Continental United States), OCONUS (Outside the Continental United States) and in theater RSO&I (Reception, Staging, Onward Movement and Integration) operations.

The TC-AIMS II system includes software and processes installed on Service provided hardware that supports unit movement and sustainment transportation functions, as well as provide access to various load planning functions. These functions are available to the TC-AIMS II user from a client/server or

stand-alone configuration at the unit/installation level whether in-garrison or deployed. Processing, tracking, and reporting of data from TC-AIMS II will be available to decision-makers at various command levels via the In-transit View (ITV) capability of the Global Transportation Network (GTN).

2.2 Hardware.

The TC-AIMS II program is designed to operate on hardware provided by the Services in both client/server and standalone configurations. The client and standalone workstation hardware platforms require a Pentium II computer or higher with 64 MB of RAM and 4 GB hard disk. The server requires a Pentium II processor or higher with 256 MB RAM and 5GB hard drive.

2.3 Software.

TC-AIMS II client/server and standalone workstation platforms run under MS Windows NT (workstation) supporting a Sybase relational database. The server configuration runs under MS Windows NT (server) supporting a Sybase relational database.

2.4 Interface Attributes.

2.4.1 Procedures.

TC-AIMS II will update Unit Deployment List (UDL) files in response to the data files received from ATLASS I.

2.4.2 Data Exchange.

The intended method of data exchange for this interface is by means of 3.5" HD diskette. The data will be in a formatted ASCII text file without encryption.

2.4.3 Priority.

The processing priority for this interface will default to routine.

2.4.4 Communications.

The exchange of information will be accomplished by means of a DOS formatted ASCII textual data file on a 3.5" HD diskette. The actual interfacing will be done manually.

2.4.5 Service Levels.

No service levels for this interface will be established. Data will be passed on an as required basis. No special processing is required.

2.5 Points of Contact.

2.5.1 Functional and Technical.

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2.5.2 Communications and Security.

Mr. Willie Jones, JR.

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Fort Belvoir, VA 22060-5526
Tel: (703) 923-1008

2.6 Security.

TC-AIMS II is an unclassified system containing Sensitive But Unclassified (SBU) information. TC-AIMS will operate in the systems high mode in accordance with a C2 level of accreditation based on the DoD 5200.28-STD. The TC-AIMS II architecture has been designed with protective mechanisms that ensure the data confidentiality, integrity, and availability of the data being transmitted including:

- Safeguards protecting data from virus or malicious logic
- Diskettes will be handled and controlled per local security policies.

2.7 Communication Verification.

No verification is required for a manual interface.

2.8 System Problems.

The JPMO will maintain a Help Desk system to coordinate and resolve system problems referred from the Services. The Help Desk will provide a single-track problem resolution interface with the software developers as outlined in the ILSP.

2.9 Data Requirements. (from TC-AIMS II to ATLASS I)

TC-AIMS II will supply two types of transactions, gainer transactions (D6A, DAD, YRU and YAL) and loser transactions (D7P, DAD and YRU) for assets that have been gained or lost by a Marine Corps unit.

2.9.1 Gainer Disk Record Specifications (Appendix A, Table A-1 to Table A-4)

This disk will contain D6A, DAD, YRU and YAL transactions from units receiving assets.

2.9.1.1 "D6A" Gainer Transaction. (Appendix A, Table A-1)

2.9.1.2 "DAD" Gainer Transaction. (Appendix A, Table A-2)

2.9.1.3 "YRU" Gainer Transaction. (Appendix A, Table A-3)

2.9.1.4 "YAL" Gainer Transaction. (Appendix A, Table A-4)

2.9.2 Loser Disk Record Specifications. (Appendix A, Table A-5 to Table A-7)

This disk will contain D7P, DAD and YRU transactions from units issuing assets.

2.9.2.1 "D7P" Loser Transaction. (Appendix A, Table A-5)

2.9.2.2 "DAD" Loser Transaction. (Appendix A, Table A-6)

2.9.2.3 "YRU" Loser Transaction. (Appendix A, Table A-7)

3. ATLASS I Attributes

3.1 System Description.

ATLASS I is a US Marine Corps system that provides automated support for logistics planning and mobility execution. The system provides base-level logistics planners with a tool for mobility/reception planning and execution to support worldwide deployment of forces. ATLASS I is a deployable, microcomputer-based supply system that provides the ability to control, distribute, and replenish equipment and supplies in assigned areas of operation, to receive supply support from and provide supply support to other services.

3.2 Hardware

Operating System compatibility range from MS-DOS 5.0/6.22 through Windows 95. For DOS configured hardware, recommend minimum Year 2000 (Y2K) compliant 486 processor or higher with 4 MB of RAM. For Windows 95 users, recommend Y2K compliant Pentium processor with 16 MB of RAM or higher.

3.3 Software.

Programming language is ADA utilizing ADASage database.

3.4 Interface Attributes.

3.4.1 Procedures.

ATLASS I will update the unit equipment lists from data provided by TC-AIMS II.

3.4.2 Data Exchange.

The intended method of data exchange for this interface is by means of 3.5" HD diskette. The data will be in a formatted ASCII textual file without encryption.

3.4.3 Priority.

The processing priority for this interface will default to routine.

3.4.4 Communications.

The intended method of data exchange for this interface is by means of 3.5" HD diskette. The data will be in a formatted in an ASCII textual file without encryption.

3.5 Service Levels.

No service levels for this interface will be established. Data will be passed on an as required basis. No special processing is required.

3.6 Point of Contact.

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814 Radford Boulevard

Albany, Georgia 31704-1128
Commercial (912) 439-6630 DSN: 567-6630

3.7 Security.

Data exchanged through this interface have been established as Sensitive But Unclassified (SBU) and will be will be controlled using US Marine Corps and local Security Office procedures

3.8 Communication Verification.

No verification is required for a manual interface.

3.9 System Problems.

Problems encountered will be resolved by the System Administrator or forwarded to ATLASS I PMO for resolution.

3.10 Data Requirements. (from ATLASS I to TC-AIMS II)

ATLASS I will provide additional supply data to update the trace tables, location tables and add techdata.

3.10.1 ATLASS I Import File. (Appendix A, Table A-1)

This file provides the ability to import from ATLASS I additional supply data into the UDL equipment lists.

Appendix A, TC-AIMS II to ATLASS I File Structure and Record Layout

Table A-1, D6A Gainer Transaction.

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
DOCUNENT IDENTIFIER CODE	1 – 3	3	A/N	"D6A"	
NSN	8 - 20	13	A/N		
UI	23 - 24	2	A/N		
QUANTITY	25 - 29	5	N		
SUP ADD	30 – 35	6	A/N		
DATE REC	52 – 55	4			
DATE KEY	61 – 64	4			
LOCATION	72 – 80	9	A/N		
A = Alpha N = Numeric					

Table A-2, "DAD" Gainer Transaction.

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
DOCUNENT IDENTIFIER CODE	1 – 3	3	A/N	"DAD"	
NSN	8 - 20	13	A/N		
UI	23 - 24	2	A/N		
QUANTITY	25 - 29	5	N		
SUP ADD	30 – 35	6	A/N		
DEMAND CODE	44	1	A/N		
COST CODE	45 – 56	12	A/N		
FUND CODE	57 – 58	2	A/N		
PC TO	65	1	A/N		
CC TO	66	1	A/N		
PC FROM	71	1	A/N		
TAM CONTROL NUMBER	81 - 85	5	A/N		
A = Alpha N = Numeric					

Table A-3, "YRU" Gainer Transaction.

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
DOCUNENT IDENTIFIER CODE	1 – 3	3	A/N	"YRU"	
NSN	8 - 20	13	A/N		
TAM CONTROL NUMBER	23 – 27	5	A/N		
SUPPLY CLASS	28	1	A/N		
SUP ADD	30 – 35	6	A/N		
SUB UNIT CODE	37 – 42	6	A/N		
AUTHORIZED QUANTITY	44 – 50	7	N		
CONDITION CODE	52	1	A/N		
ON HAND QUANTITY	54 – 60	7	N		
SERIAL NUMBER	61 - 80	20	A/N	Right Justify	
LOCATION	81 - 89	9	A/N	Left Justify	
A = Alpha N = Numeric					

Table A-4, "YAL" Gainer Transaction.

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
DOCUNENT IDENTIFIER CODE	1 – 3	3	A/N	"YAL"	
NSN	8 - 20	13	A/N		
TAM CONTROL NUMBER	24 - 28	5	A/N		
SUPPLY CLASS	29	1	A/N		
SUP ADD	30 – 35	6	A/N		
"0"	43 – 49	7			
CIC	57	1			
A = Alpha N = Numeric					

Table A-5, "D7P" Loser Transaction.

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
DOCUNENT IDENTIFIER CODE	1 – 3	3	A/N	"D7P"	
NSN	8 - 20	13	A/N		
UI	23 - 24	2	A/N		
QUANTITY	25 - 29	5	N		
ACC	30 – 35	6	A/N		
DEMAND CODE	44	1	A/N		
SUP ADD	45 – 50	6	A/N		
"BK"	52 – 53	2	A/N		
PRIOIRITY CLASS	60 – 61	2	A/N		
CIC	64	1	A/N		
PURPOSE CODE	65	1	A/N		
CONDITION CODE	66	1	A/N		
CONTROL CODE	67	1	A/N		
A = Alpha N = Numeric					

Table A-6, "DAD" Loser Transaction.

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
DOCUNENT IDENTIFIER CODE	1 – 3	3	A/N	"DAD"	
NSN	8 - 20	13	A/N		
UI	23 - 24	2	A/N		
QUANTITY	25 - 29	5	N		
ACC	30 – 35	6	A/N		
DEMAND CODE	44	1	A/N		
COST CODE	45 – 56	12	A/N		
FUND CODE	57 – 58	2	A/N		
PC TO	65	1	A/N		
CC TO	66	1	A/N		
PC FROM	71	1	A/N		
TAM CONTROL NUMBER	81 - 85	5	A/N		
A = Alpha N = Numeric					

Table A-7, "YRU" Loser Transaction.

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
DOCUNENT IDENTIFIER CODE	1 – 3	3	A/N	"YRU"	
ACTION CODE	5	1	A/N		
NSN	8 - 20	13	A/N		
TAM CONTROL NUMBER	23 – 27	5	A/N		
SUPPLY CLASS	28	1	A/N		
ACC	30 – 35	6	A/N		
SUB UNIT CODE	37 – 42	6	A/N		
AUTHORIZED QUANTITY	44 – 50	7	N		
CONDITION CODE	52	1	A/N		
ON HAND QUANTITY	54 – 60	7	N		
SERIAL NUMBER	61 - 80	20	A/N	Right Justify	
LOCATION	81 - 89	9	A/N	Left Justify	
A = Alpha N = Numeric					

Appendix B, ATLASS I to TC-AIMS II File Structure and Record Layout

Table B-1, ATLASS I Import File.

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
UIC	1 – 6	6	A/N		
NSN	7 - 19	13	A/N		
SERIAL NUMBER	20 – 39	20	A/N		
UNIT OF ISSUE	40 – 41	2	A/N		
AIT LOCATION CODE	42 - 50	9	A/N		
SUC	51 – 56	6	A/N		
ITEM ID	57 – 61	5	A/N		
STORES ACCOUNT CODE	62	1	A/N		
CONTROLLED ITEM CODE	63	1	A/N		
NOMECLATURE	64 - 83	20	A/N		
COMBAT ESSENTIALLITY CODE	84	1	A/N		
MATERIAL ID CODE	85	1	N		
STANDARD UNIT PRICE	86 - 96	13	N		
NUMBER OF CARGOS	97 - 103	4	N		
LTI CODE	104	1	A/N		
A = Alpha N = Numeric					

Appendix C, Acronyms

Abbreviation	Description
AIS	Automated Information System
ASCII	American Standard Code for Information Interchange
ATLASS I	Asset Tracking for Logistics and Supply System
CONUS	Continental United States
DoD	Department of Defense
DOS	Disk Operating System
DTS	Defense Transportation System
FTP	File Transfer Protocol
GTN	Global Transportation Network
HP	Hewlett-Packard
IA	Interface Agreement
ILSP	Integrated Logistic Support Plan
IP	Internet Protocol
ITO/TMO	Installation Transportation Office/ Traffic Management Office
ITV	In-Transit Visibility
JDC	Joint Deployment Community
JPMO	Joint Program Management Office
LAN	Local Area Network
OCONUS	Outside the Continental United States
ORD	Operational Requirements Document
PC	Personal Computer
PMO	Program Management Office
RSO&I	Reception, Staging, Onward Movement, and Integration
SMTP	Simple Mail Transfer Protocol
STAMIS	Standard Army Management Information Systems
TC-AIMS II	Transportation Coordinators' Automated Information for Movement System II
TCN	Transportation Control Number
TOA	Transportation Operating Agency
UDL	Unit Deployment List
UMO	Unit Movement Office/Officer